Amendments to the Claims

Listing of Claims:

5   Claim 1 (currently amended): A method for accessing a variable memory of an optical
         disk drive comprising the following steps:
         (a) utilizing the optical disk drive to read data of an optical disk and identifying
              the type of the <u>disk</u> [[data]];
         (b) if the type of the <u>disk</u> [[data]] is first optical disk [[data]], storing ~~reading~~
10   variables at an ~~initial~~ address of <u>a second area arranged in</u> the variable
              memory; [[and]]
         (c) if the type of the <u>disk</u> [[data]] is second optical disk [[data]], storing ~~reading~~
              variables at the ~~initial~~ address of <u>the second area arranged in</u> the variable
              memory; <u>and</u>
15   <u>(d) storing common reading variables necessary for the optical disk drive to</u>
              <u>access the optical disk into a first area arranged in the variable memory;</u>
              wherein <u>the common reading variables stored in the variable memory will not be</u>
              <u>replaced when a different type optical disk is accessed by the optical disk drive</u>
              ~~an arrangement of the variable memory is fixed for different types of optical~~
20   ~~disks accessed by the optical disk drive~~.

     Claim 2 (currently amended): The method of claim 1 wherein the first optical disk [[data]]
              type [[is]] <u>comprises</u> CDDA, VCD, CD-ROM, CD-R, or CD-RW, and the
              second optical disk [[data]] type [[is]] <u>comprises</u> DVD-ROM, DVD-R,
25   DVD-RW, DVD+R, DVD+RW, or DVD-RAM.

     Claim 3 (currently amended): The method of claim 1 wherein the ~~reading~~ variables in

step (b) or (c) are <u>reading variables</u> related to content of the optical disk.

Claim 4 (currently amended): The method of claim 1 wherein <u>the variables are reading</u>
<u>variables, and</u> when the optical disk stores the reading variables in step (b) or
(c) in the variable memory, the reading variables replace reading variables of a
last-inserted optical disk stored in the ~~initial~~ address of <u>the second area</u>
<u>arranged in</u> the variable memory.

Claim 5 (currently amended): The method of claim 1 ~~further comprising storing common~~
~~reading variables necessary for the optical disk drive to access the optical disk~~
~~into the variable memory having an area dedicated to storing the common~~
~~reading variables,~~ wherein the common reading variables include drive
configuration, status, or tray status.

Claim 6 (previously presented): The method of claim 5 wherein the common reading
variables stored in the variable memory will not be replaced when a plurality
of optical disks following the optical disk are accessed by the optical disk
drive.

Claim 7 (cancelled)

Claim 8 (currently amended): A method for accessing a variable memory of an optical
disk drive comprising following steps:
   (a) utilizing the optical disk drive to read data of a DVD <u>disk</u> and identifying the
      type of the <u>DVD disk</u> [[data]];
   (b) if the type of the <u>DVD disk</u> [[data]] is DVD-ROM [[data]], storing ~~reading~~
      variables at an ~~initial~~ address of <u>a second area arranged in</u> the variable
      memory;

(c) if the type of the <u>DVD disk</u> [[data]] is DVD-RAM [[data]], storing ~~reading~~ variables at ~~an initial~~ <u>the</u> address of <u>the second area arranged in</u> the variable memory;

(d) storing common reading variables necessary for the optical disk drive to

5   <u>access the optical disk into a first area arranged in the variable memory;</u> wherein <u>the common reading variables stored in the variable memory will not be replaced when a different type optical disk is accessed by the optical disk drive</u> ~~an arrangement of the variable memory is fixed for different types of optical disks accessed by the optical disk drive~~.

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Claim 9 (currently amended): The method of claim 8 wherein <u>the variables are reading variables, and</u> when the optical disk drive stores the reading variables in step (b) or (c) in the variable memory, the reading variables replace reading variables of a last-inserted disk stored in the ~~initial~~ address <u>of the second area</u>

15   <u>arranged</u> in the variable memory.

Claim 10 (currently amended): The method of claim 8 ~~further comprising storing common reading variables necessary for the optical disk drive to access the optical disk into the variable memory having an area dedicated to storing the~~

20   ~~common reading variables,~~ wherein the common reading variables include drive configuration, status, or tray status.

Claim 11 (previously presented): The method of claim 10 wherein the common reading variables stored in the variable memory will not be replaced when a plurality

25   of optical disks following the optical disk are accessed by the optical disk drive.

Claim 12 (cancelled)

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Claim 13 (currently amended): A method for accessing a variable memory of an optical

disk drive comprising following steps:

(a) utilizing the optical disk drive to read and write data of an optical disk and

5   identifying the type of the <u>disk</u> [[data]];

(b) if the type of the <u>disk</u> [[data]] is first recordable optical disk [[data]], storing

~~writing~~ variables at a first ~~initial~~ address of <u>a second area arranged in</u> the

variable memory; [[and]]

(c) if the type of the <u>disk</u> [[data]] is second recordable optical disk [[data]],

10   storing ~~writing~~ variables at the first ~~initial~~ address of <u>the second area arranged</u>

<u>in</u> the variable memory; <u>and</u>

<u>(d) storing common reading variables necessary for the optical disk drive to</u>

<u>access the optical disk into a first area arranged in the variable memory;</u>

wherein <u>the common reading variables stored in the variable memory will not</u>

15   <u>be replaced when a different type optical disk is accessed by the optical disk</u>

<u>drive</u> ~~an arrangement of the variable memory is fixed for different types of~~

~~optical disks accessed by the optical disk drive~~.

Claim 14 (currently amended): The method of claim 13 wherein the first recordable

20   optical disk [[data]] type [[is]] <u>comprises</u> CD-R or CD-RW, and the second

recordable optical disk [[data]] type [[is]] <u>comprises</u> DVD-R, DVD-RW,

DVD+R, DVD+RW, or DVD-RAM.

Claim 15 (currently amended): The method of claim 13 wherein <u>the variables are writing</u>

25   <u>variables, and</u> when the optical disk drive stores the writing variables in step

(b) or (c) in the variable memory, the writing variables replace writing

variables of a last-inserted optical disk stored in the first ~~initial~~ address <u>of the</u>

<u>second area arranged</u> in the variable memory.

Claim 16 (currently amended): The method of claim 13 further comprising:

if the type of the disk [[data]] is first recordable optical disk data, storing

reading variables at a second ~~initial~~ address of the second area arranged in the

5   variable memory; and

if the type of the disk [[data]] is second optical disk data, storing reading

variables at the second ~~initial~~ address of the second area arranged in the

variable memory.

10   Claim 17 (currently amended): The method of claim 16 wherein the first and second

~~initial~~ addresses are different.

Claim 18 (cancelled)

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